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Listing of Claims

Claims 1-15 (cancelled)

16. (currently amended) A kit of parts for use in sealing endoleaks arising from endovascular repair of an abdominal aortic aneurysm which comprises:

(a) a fluid composition which forms a coherent mass in the presence of blood which mass adheres to the vascular surface and/or the surface of the endovascular prosthesis wherein said fluid composition comprises a biocompatible solvent and a biocompatible polymer;

(b) a catheter suitable for delivering the fluid composition to an endoleak site formed from endovascular repair of an abdominal aortic aneurysm;

(c) a catheter suitable for delivering an endovascular prosthesis to the aneurysm; and

(d) an endovascular prosthesis comprising a stent graft capable of inhibiting but not completely arresting blood flow into the abdominal aortic aneurysm due to the presence of one or more endoleaks arising from incomplete sealing at the interface of the aortic wall and the end of the prosthesis or from defects within the endovascular prosthesis.

17-19 (cancelled)

20. (previously presented) The kit of parts according to Claim 16 wherein said biocompatible polymer is selected from the group consisting of cellulose acetate polymers, ethylene vinyl alcohol copolymers and polyacrylates.

21. (previously presented) The kit of parts according to Claim 20 wherein said biocompatible polymer is a cellulose acetate polymer or an ethylene vinyl alcohol copolymer.

22. (previously presented) The kit of parts according to Claim 16 wherein said biocompatible solvent is selected from the group consisting of dimethylsulfoxide, ethanol, ethyl lactate, and acetone.

23. (previously presented) The kit of parts according to Claim 22 wherein said biocompatible solvent is dimethylsulfoxide.

24. (previously presented) The kit of parts according to Claim 16 wherein the fluid composition further comprises a contrast agent.

25. (previously presented) The kit of parts according to Claim 24 wherein said contrast agent is a water insoluble contrast agent.

26. (previously presented) The kit of parts according to Claim 25 wherein said water insoluble contrast agent is selected from the group consisting of tantalum, tantalum oxide, tungsten, and barium sulfate.

27. (previously presented) The kit of parts according to Claim 25 wherein said water insoluble contrast agent is characterized by having an average particle size of about 10 μm or less.

28. (previously presented) The kit of parts according to Claim 24 wherein said contrast agent is a water soluble contrast agent.

29. (previously presented) The kit of parts according to Claim 28 wherein said water soluble contrast agent is selected from the group consisting of metrizamide, iopamidol, iothalamate sodium, iodomide sodium, and meglumine.

30. (previously presented) The kit of parts according to Claim 24 which further comprises:

(e) a contrast agent dissolved in saline.

31. (previously presented) The kit of parts according to Claim 30 wherein the contrast agent is iopamidol.

32. (cancelled)

33. (new) A kit of parts for use in sealing endoleaks arising from endovascular repair of an abdominal aortic aneurysm which comprises:

(a) a fluid composition which forms a coherent mass in the presence of blood which mass adheres to the vascular surface and/or the surface of the endovascular prosthesis wherein said fluid composition comprises a biocompatible solvent and a biocompatible polymer;

(b) a catheter suitable for delivering the fluid composition to an endoleak site formed from endovascular repair of an abdominal aortic aneurysm;

(c) a catheter suitable for delivering an endovascular prosthesis to the aneurysm;

(d) a water soluble contrast agent capable of visualizing an endoleak site; and

(e) an endovascular prosthesis comprising a stent graft capable of inhibiting but not completely arresting blood flow into the abdominal aortic aneurysm due to the presence of one or more endoleaks arising from incomplete sealing at the interface of the aortic wall and the end of the prosthesis or from defects within the endovascular prosthesis.

34. (new) The kit of parts according to Claim 33 wherein said biocompatible polymer is selected from the group consisting of cellulose acetate polymers, ethylene vinyl alcohol copolymers and polyacrylates.

35. (new) The kit of parts according to Claim 34 wherein said biocompatible polymer is a cellulose acetate polymer or an ethylene vinyl alcohol copolymer.

36. (new) The kit of parts according to Claim 33 wherein said biocompatible solvent is selected from the group consisting of dimethylsulfoxide, ethanol, ethyl lactate, and acetone.

37. (new) The kit of parts according to Claim 36 wherein said biocompatible solvent is dimethylsulfoxide..

38. (new) The kit of parts according to Claim 33 wherein the fluid composition further comprises a contrast agent.

39. (new) The kit of parts according to Claim 38 wherein said contrast agent is a water insoluble contrast agent.

40. (new) The kit of parts according to Claim 39 wherein said water insoluble contrast agent is selected from the group consisting of tantalum, tantalum oxide, tungsten, and barium sulfate.

41. (new) The kit of parts according to Claim 40 wherein said water insoluble contrast agent is characterized by having an average particle size of about 10 μm or less.

42. (new) The kit of parts according to Claim 33 wherein said water soluble contrast agent is selected from the group consisting of metrizamide, iopamidol, iothalamate sodium, iodomide sodium, and meglumine.

43. (new) The kit of parts according to Claim 33 wherein said water soluble contrast agent is dissolved in saline.

44. (new) The kit of parts according to Claim 33 wherein said water soluble contrast agent is iopamidol.